

K0224169

Premarket Notification 510(k)

Eco E4

5. 510 (k) Summary

SEP 18 2002

Submitter of 510(k): Wieland Dental + Technik GmbH & Co. KG
Schwenninger Str. 13
D-75179 Pforzheim
Germany
Phone: +49-7231-3705-0

Contact person: Dr. Gerhard Polzer
Phone: +49-7231-3705-219
Fax: +49-7231-357959
e-mail: gerhard.polzer@wieland-dental.de

Date of Summary: 2002-07-23

Trade name: Eco E4

Classification name: Alloy, Precious metal, for clinical use
Product code: EJS
C.D.R section: 872.3060
Classification: Class II

Legally marketed
equivalent device: Pagalin 2

510(k) number: K911675

Device description

Eco E4 is a high strength silver-palladium casting alloy, intended for dental technicians to fabricate dental restorations.

It consists of silver, palladium and gold (93,5%) as well as of copper and zinc.

Eco E4 has an indication for use which ranges from inlays/onlays and crowns up to long span bridges with two or more pontics.

It complies with the international standard ISO 8891 and fulfills the essential requirements of the European directive 93/42/ECC concerning medical devices.



SEP 18 2002

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

Dr. Gerhard Polzer
Director, Regulatory Affairs
Wieland Dental + Technik GmbH & Company KG
Schwenninger Straße 13
D-75179 Pforzheim
GERMANY

Re: K022469

Trade/Device Name: Eco E4
Regulation Number: 21 CFR 872.3060
Regulation Name: Gold-Based Alloys and Precious Metal Alloys for Clinical Use
Regulatory Class: II
Product Code: EJS
Dated: July 23, 2002
Received: July 26, 2002

Dear Dr. Polzer:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

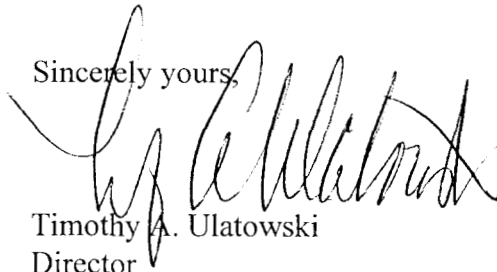
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies.

You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4613. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Timothy A. Ulatowski', is written over the typed name and title.

Timothy A. Ulatowski
Director

Division of Anesthesiology, General Hospital,
Infection Control and Dental Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number (if known): K022 469

Device Name: Eco E4

Indications For Use:

Eco E4 is a silver-palladium casting alloy that can be used by dental technicians to fabricate dental appliances for patients.

It is intended for manufacturing

- Inlays/onlays
- Crowns
- Short span bridges
- Long span bridges

Eco E4 can be veneered with suitable dental composites.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ☒
(Per 21 CFR 801.109)

OR
Steven J. Rives
(Division Sign-Off)
Division of Anesthesiology, General Hospital,
Infection Control, Dental Devices

Over-The-Counter Use _____

(Optional Format 1-2-96)

510(k) Number: K022 469